



PDXT8

IP Transcoder (4HD / 8SD)



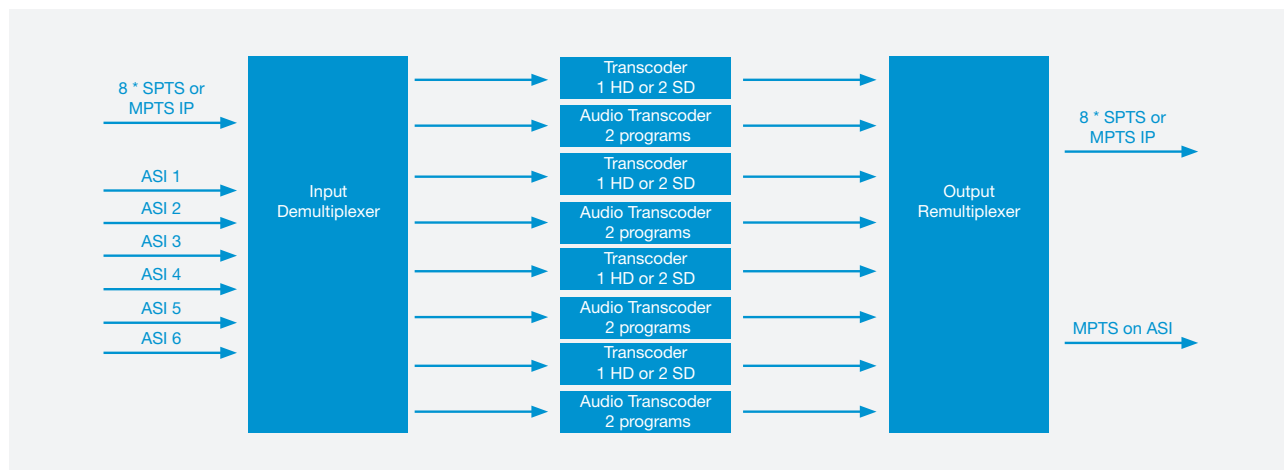
Description

The PDXT8 is an advanced IP transcoding system designed for use in digital headends. The unit is ideal for conversion of MPEG-4/H.264 program for MPEG-2 systems, or for conversion of MPEG-2 inputs to MPEG-4 for bandwidth savings. The PDXT8 can also be used for 1080i to 720p or 720p to 1080i conversion for improved compatibility or bandwidth savings. Audio transcoding includes AAC, MP2 and AC3 – any to any. HD to SD downconversion is also supported. The unit supports 4 HD input streams or 8 SD input streams. The input has 6 ASI input ports and up to 8 IP streams. The IP input can be MPTS or SPTS. Output is available as MPTS on ASI, MPTS on IP or up to 8 IP SPTS streams.

Features

- 4 HD or 8 SD Input programs
- MPEG-2 to MPEG-4/H.264 transcoding
- MPEG-4/H.264 to MPEG-2 transcoding
- AC3 / MPEG1-LII / AAC – any to any transcoding
- HD to SD downconversion
- 720p to 1080i / 1080i to 720p
- CBR and VBR rate control
- Null packet stuffing or filtering
- IP input MPTS or SPTS
- IP output MPTS or SPTS
- 6 ASI inputs
- ASI MPTS outputs
- 8 Channels audio transcoding
2 audio per HD
1 audio per SD
- Additional audio pass-through
- Closed captions supported

System Diagram



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Specification

Inputs

IP	1000Base-T MPTS or 8 SPTS (RJ-45 or SFP)
ASI	6 x BNC

Outputs

IP	1000Base-T MPTS or 8 SPTS (RJ-45 or SFP)
ASI	2 x BNC (MPTS)
Bit Rate	1.0 to 214 Mbps

Video

Resolutions	1920x1080i, 1260x720p, 720x480i, 544x480i, 320x240p
Transcoding	4 x MPEG-2 HD => 4 x MPEG-2/H.264 HD 4 x MPEG-2 HD => 4 x MPEG-2/H.264 SD 4 x H.264 HD => 4 x MPEG-2/H.264 HD 4 x H.264 HD => 4 x MPEG-2/H.264 SD 8 x MPEG-2 SD => 8 x MPEG-2/H.264 SD 8 x H.264 SD => 8 x MPEG-2/H.264 SD
Rate Control	VBR or CBR
Video Bit Rate	1.0 to 19 Mbps

Audio

Transcoding	MPEG1-LII, AC3 or AAC (MP2 & MP4) any to any or pass-through
Sampling Rate	48 kHz
Bit Rate	64 Kbps to 384 Kbps

Management

Front Panel Control	LCD and Keypad
User Interface	Web Browser Control

General

Dimensions	16.77" (L) x 15.8" (D) x 1.75" (H)
Weight	11 lbs.
Temperature (Operating)	0 to 45° C
Power Supply	AC 110 V ± 10 %, 50 Hz / 60 Hz AC 220 V ± 10 %, 50 Hz / 60 Hz
Consumption	20 Watts

Ordering Information

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